AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A method for tissue-selective treatment in surgery comprising the steps of:

placing a probe in an area of body tissue of a brain of a body of a person being treated;

stimulating the area of body tissue by causing the probe to send to the area different electrical and/or electromagnetic stimulus signals which can be preadjusted or modulated;

identifying any pathologically changed tissue parts in the area of body tissue by identifying those tissue parts for which the person being treated provides no stimulus response or an unexpected stimulus response, wherein the response identified is a change to the body's functioning distinct from the properties of the body tissue being stimulated; and

treating the area of body tissue, wherein the treatment comprises the probe selecting ~~and/or~~ and removing any pathologically changed tissue parts;

wherein, if the tissue stimulation does not identify a pathologically changed tissue part, the probe is repositioned and a new area of body tissue is stimulated.

Claim 2 (currently amended): The method of ~~claim 1,~~ Claim 1;

wherein the tissue stimulation that follows the repositioning of the probe can be carried out by iterative or continuous transmission of stimulus signals.

Claim 3 (currently amended): The method of ~~claim 1,~~ Claim 1;

wherein (a) a direct online tissue stimulation is carried out by alternating treatment and positioning with tissue stimulation and immediate evaluation of the stimulus responses and, (b) during treatment of critical tissue regions, a user is warned and/or the treatment can be interrupted.